900 MHz, 25Watt Amplifier
Indoor unit
Item # 90326

This high-power bi-directional amplifier is designed for 902~928 MHz radio products. Works equally well with all types of radios.

Salient Features:

1. **TransmitGain** : The unit provides 24 dB of gain which can be reduced at the factory.
2. **LNA:** The built-in Low Noise Amplifier with a signal gain of 15 dB and ultra-low noise figure of only 1.2 dB improves the receive sensitivity of the remote equipment, while keeping noise level very low.
3. **ReceiveFiltering** : All radio equipment contains a filter for the receive path. The bandpass filter on this amplifier gives added protection against out-of-band noise.
4. **Enclosure** : The unit is housed in a machined, anodized aluminum enclosure, designed according to the location of critical components. With appropriate cavities and contacts, the PCB performs optimally, without **anyneedfor a heatsink** .
5. **Warranty**: All Shireen's products come with a 2-year warranty.

The complete set includes:

1. The Indoor Amplifier
2. 3ft Flying Lead
3. Power Supply not included

Specifications

Electrical:

Operating Range	902 - 928 MHz
Operating Mode	TDD (Time Division Duplex)
Transmit Peak Power	44 dBm, 25 Watt
Transmit Gain	24 dB max
Transmit Input Power	0 dBm min 20 dBm max
Receive Gain	15 dB (+/-1 dB)
Noise Figure	<3 dB
LED Indicators	Red for Receive (default mode), Green for Transmit
Power Consumption	140mA Rx, 1400 mA Tx @ 28VDC
Operating Voltage	24 to 30 VDC
Operating Temperature	-40 °C to +70 °C (158 °F)

Mechanical:

Dimensions	6" x 3.5" x 1.2" (152.4mm x 88.9mm x 41.91mm)
Enclosure	Aluminum housing with anodized finish
Connectors	Type N Female
Weight	1.25 lb (570g)